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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/768,823	01/25/2001	Harlan Sexton	50277-0459	2214
42425	7590	10/05/2005	EXAMINER	
HICKMAN PALERMO TRUONG & BECKER/ORACLE 2055 GATEWAY PLACE SUITE 550 SAN JOSE, CA 95110-1089			CAO, DIEM K	
		ART UNIT	PAPER NUMBER	
			2194	

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/768,823	SEXTON ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Diem K. Cao	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 13 July 2005.  
 2a) This action is **FINAL**.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-6,8-15 and 17-20 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) 6,8,9,15,17 and 18 is/are allowed.  
 6) Claim(s) 1-5,10-14,19 and 20 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.  
 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date \_\_\_\_\_.  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_.

**DETAILED ACTION**

1. Claims 1-6,8-15 and 17-20 are pending. Applicant has amended claims 6 and 15 and canceled claims 7 and 16.
2. The cross references related to the application cited in the specification must be updated (i.e. update the relevant status, with PTO serial numbers or patent numbers where appropriate, on pages 1-3).

***Allowable Subject Matter***

3. Claims 6, 7-8, 15 and 17-18 are allowed.
4. Claims 2-3, 5, 11-12 and 14 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 101, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
6. Claims 1, 4, 10, 13 and 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (U.S. 5,870,753) in view of Mueller et al. (U.S. 6,584,612 B1).
7. As to claim 1, Chang teaches

- locating within the shorter-duration memory (memory 90 of server process; col. 5, lines 37-40), a context structure (object reference 76; col. 5, lines 49-50) associated with the call (when the server is call upon; col. 5, lines 52-54 and If a method is invoked from another process; col. 13, lines 2-4);
- locating an XREF pointers table (a reference data table; col. 5, lines 40-44) based on data cached within the context structure (object reference 76 ... in memory 90; col. 5, lines 49-52);
- determining whether the XREF pointers table includes a pointer (pointer 77 to the memory location 72; col. 5, lines 42-43) associated with the reference (key 78) located in the longer-duration memory (The reference data table in persistent storage 92 ... for each persistent object; col. 5, lines 44-46 col. 49-52); and
- if the XREF pointers table includes a pointer associated with the reference located in the longer-duration memory, then following the pointer to locate the instance within the shorter-duration memory (The reference data table ... in memory; col. 5, lines 40-55 and col. 13, lines 4-8).

8. However, Chang does not teach an XREF pointers array. Chang teaches a table contains pointer instead (See Fig. 7). Mueller teaches implementing a table or array to store information in a computer system (the utility program ... the resource length; col. 7, lines 56-61).

9. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Chang and Mueller because it shows alternative method to implement program in the software program.

10. As to claim 4, Chang and Mueller teach the XREF pointers array does not include a pointer associated with the reference (col. 8, lines 1-4), creating the instance by activating the recreatable object (col. 8, lines 36-44), and storing a pointer to the instance in the XREF pointers array (col. 9, lines 4-16).

11. As to claim 10, it is the same as the method claim of claim 1 except it is a computer product claim, and is rejected under the same ground of rejection of claim 1.

12. As to claim 13, see rejection of claim 4 above.

13. As to claim 19, Chang teaches the shorter-duration memory is shorter than the duration of the longer-duration memory (col. 5, lines 6-52).

14. As to claim 20, see rejection of claim 19 above.

***Response to Arguments***

15. Applicant's arguments with respect to claims 1-6,8-15 and 17-20 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diem K. Cao whose telephone number is (571) 272-3760. The examiner can normally be reached on Monday - Friday, 5:30AM - 2:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Any response to this action should be mailed to:**  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist at 571-272-2100.

Diem Cao

  
MENG-AI T. AN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100